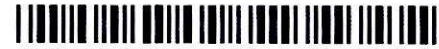




Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D3901-041**  
**Job Sheet 209711**



**Part No:** D3901-041

**Job Qty:** 12 pcs

**Part Name:** Wearbar Weldment



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 5/6/20

**Job Tracking No:**

**Due Date:** 9/11/20

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:**

**Note:** DWG D3901 REV.G IPP REV.A 19.10.30 AS PER DWG REV.G DD VERF;DP

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                 | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier         |           | Sign-off          |
|-------|---------------------------|--------|------------|----------|-----------|---------|-----------------------------|-----------|-------------------|
|       |                           |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier       | Lead Time |                   |
| 100   | Large Fab - Welded Assy-1 | 12 pcs | 9/10/20    |          | 0.00      | 2.40    | Large Fab - 1               |           | EL                |
|       |                           |        |            |          |           |         | Large Fab - 10              |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 2               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 3               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 4               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 5               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 6               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 7               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 8               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 9               |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 11 (Various)    |           |                   |
|       |                           |        |            |          |           |         | Large Fab - 12              |           |                   |
| 110   | Automated Welding - B4B   | 12 pcs | 9/11/20    |          | 0.50      | 6.00    | Automated Welding - 1 - B4B |           | EL                |
| 120   | QC 10                     | 12 pcs | 9/11/20    |          | 0.00      | 0.00    | QC 10 - 10                  |           | DAS<br>24<br>9-89 |
|       |                           |        |            |          |           |         | QC 10 - 18                  |           |                   |
|       |                           |        |            |          |           |         | QC 10 - 24                  |           |                   |
|       |                           |        |            |          |           |         | QC 10 - 43                  |           |                   |
|       |                           |        |            |          |           |         | QC 10 - 50                  |           |                   |
|       |                           |        |            |          |           |         | QC 10 - 58                  |           |                   |
|       |                           |        |            |          |           |         | QC 10 - 9                   |           |                   |
|       |                           |        |            |          |           |         | QC 10 - 68                  |           |                   |
|       |                           |        |            |          |           |         | QC 10 - 81                  |           |                   |
|       |                           |        |            |          |           |         | QC 5 - 10                   |           |                   |
|       |                           |        |            |          |           |         | QC 5 - 12                   |           |                   |
|       |                           |        |            |          |           |         | QC 5 - 17                   |           |                   |
|       |                           |        | 9/11/20    |          | 0.00      | 0.00    | QC 5 - 18                   |           | DAS<br>24<br>9-89 |
|       |                           |        |            |          |           |         | QC 5 - 19                   |           |                   |
|       |                           |        |            |          |           |         | QC 5 - 22                   |           |                   |
|       |                           |        |            |          |           |         | QC 5 - 24                   |           |                   |
|       |                           |        |            |          |           |         | QC 5 - 3                    |           |                   |
|       |                           |        |            |          |           |         |                             |           |                   |
|       |                           |        |            |          |           |         |                             |           |                   |



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**Container No:** S289267



**Part:** D3901 - 041

**Job No:** 209711

**Serial No/Batch:** S289267

**Revision:** REV.G

**Inspector:**

**Exp Date:**

**Instructions:** Various STC's

**Date:** 07/21/20

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|     |                             |        |         |           |                        |
|-----|-----------------------------|--------|---------|-----------|------------------------|
|     |                             |        |         | QC 5 - 43 |                        |
|     |                             |        |         | QC 5 - 49 |                        |
|     |                             |        |         | QC 5 - 51 |                        |
|     |                             |        |         | QC 5 - 58 |                        |
|     |                             |        |         | QC 5 - 68 |                        |
|     |                             |        |         | QC 5 - 9  |                        |
|     |                             |        |         | QC 5 - 50 |                        |
|     |                             |        |         | QC 5 - 30 |                        |
|     |                             |        |         | QC 5 - 40 |                        |
|     |                             |        |         | QC 5 - 61 |                        |
|     |                             |        |         | QC 5 - 81 |                        |
|     |                             |        |         | QC 5 - 82 |                        |
| 140 | Packaging 3-1 - Stock - B4B | 12 pcs | 9/11/20 | 0.00 0.00 | Packaging 3 - 1 - B4B  |
|     |                             |        |         |           | Packaging 3 - 2 - B4B  |
|     |                             |        |         |           | Packaging 3 - 3 - B4B  |
|     |                             |        |         |           | Packaging 3 - 4 - B4B  |
|     |                             |        |         |           | Packaging 3 - 5 - B4B  |
|     |                             |        |         |           | Packaging 3 - 6 - B4B  |
|     |                             |        |         |           | Packaging 3 - 7 - B4B  |
|     |                             |        |         |           | Packaging 3 - 8 - B4B  |
|     |                             |        |         |           | Packaging 3 - 9 - B4B  |
|     |                             |        |         |           | Packaging 3 - 10 - B4B |
|     |                             |        |         |           | Packaging 3 - 11 - B4B |
|     |                             |        |         |           | Packaging 3 - 12 - B4B |
|     |                             |        |         |           | Packaging 3 - 13 - B4B |
|     |                             |        |         |           | Packaging 3 - 14 - B4B |
|     |                             |        |         |           | Packaging 3 - 15 - B4B |
|     |                             |        |         |           | Packaging 3 - 16 - B4B |
|     |                             |        |         |           | Packaging 3 - 17 - B4B |
|     |                             |        |         |           | Packaging 3 - 18 - B4B |
|     |                             |        |         |           | Packaging 3 - 19 - B4B |
|     |                             |        |         |           | Packaging 3 - 20 - B4B |
|     |                             |        |         |           | Packaging 3 - 21 - B4B |
|     |                             |        |         |           | Packaging 3 - 22 - B4B |
|     |                             |        |         |           | Packaging 3 - 23 - B4B |
|     |                             |        |         |           | Packaging 3 - 24 - B4B |
|     |                             |        |         |           | Packaging 3 - 25 - B4B |
|     |                             |        |         |           | Packaging 3 - 26 - B4B |
|     |                             |        |         |           | Packaging 3 - 27 - B4B |
|     |                             |        |         |           | Packaging 3 - 28 - B4B |
|     |                             |        |         |           | Packaging 3 - 29 - B4B |
|     |                             |        |         |           | Packaging 3 - 30 - B4B |
|     |                             |        |         |           | Packaging 3 - 31 - B4B |
|     |                             |        |         |           | Packaging 3 - 32 - B4B |
|     |                             |        |         |           | Packaging 3 - 33 - B4B |
|     |                             |        |         |           | Packaging 3 - 34 - B4B |
|     |                             |        |         |           | Packaging 3 - 35 - B4B |
|     |                             |        |         |           | Packaging 3 - 36 - B4B |
|     |                             |        |         |           | Packaging 3 - 37 - B4B |
| 150 | QC 21 - SA                  | 12 pcs | 9/11/20 | 0.00 0.00 | QC 21 - SA - 21        |
|     |                             |        |         |           | QC 21 - SA - 70        |
|     |                             |        |         |           | QC 21 - SA - 53        |

DAS  
24  
9-89

JUL 22 2020

DAS  
77  
9-89

Part Op 100 - 1- CUT BAR AS PER DWG (@ 54.45) 2- GRIND CHAMFERS 3- DEBURR  
 Descriptions: 110 - BUILDUP HARD SURFACING 0.17 TO 0.20 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) BATCH: M139018  
 120 - (QC10- Inspect visual per QSI004- ground welds)  
 130 - (QC5- Inspect part completeness to step on W/O)  
 140 - Identify as per dwg & Stock Location: WA002-3  
 150 - (QC21- Final Inspection - Work Order Release)

| Job BOM                            |                     |                       |                               |           |
|------------------------------------|---------------------|-----------------------|-------------------------------|-----------|
| Part / Item                        | Component Name      | Quantity              | Operation                     | Container |
| M304B0.250x0.500                   | 304 Bar .250 X .500 | 54.1560 ft (4.513 ea) | 100-Large Fab - Welded Assy-1 | 528/036   |
| Job Allocations                    |                     |                       |                               |           |
| Operation                          | Component Part      | Required              | Inventory                     | Allocated |
| 100-Large Fab - Welded Assy-1      | M304B0.250x0.500    | 54                    | 258                           | 0         |
| Part Specifications                |                     |                       |                               |           |
| Specifications could not be found. |                     |                       |                               |           |

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Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |              |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|------------------------|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |              |                        |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QSI042) |                        |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |              | Completed By           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |              | Lead hand / Supervisor |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |              | QC / QA Coordinator    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |              |                        |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |              |                        |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |              |                        |